

CLAIMS

1. A mobile bearing calculator having
a geomagnetic sensor for detecting earth-magnetism and
a control unit for calculating the geographical
5 bearing based on detection values of the geomagnetic
sensor, wherein
the control unit monitors for an event whereby an
operation of an electronic part mounted at the mobile
bearing calculator changes, and corrects the geographical
10 bearing in accordance with occurrence of the event.
2. A mobile bearing calculator as set forth in claim 1,
further provided with a display unit,
said control unit displaying said detected
geographical bearing as information of the bearing on said
15 display unit.
3. A mobile bearing calculator as set forth in claim 2,
wherein said control unit displays a pictograph indicating
which direction a specific bearing is on said display unit
as said information of the bearing on said display unit
20 based on said geographical bearing.
4. A mobile bearing calculator as set forth in claim 3,
wherein said control unit switches the display of said
pictograph to a mode different from that before said
correction when performing said correction.
- 25 5. A mobile bearing calculator as set forth in claim 2,

wherein said control unit can acquire a map and display said map on said display unit, and performs a first display processing rotating said map to displaying as said information of the bearing linked with said geographical bearing.

6. A mobile bearing calculator as set forth in claim 4, wherein said control unit switches to perform a second display processing fixing the display of said map to a specific bearing without linking with said geographical location when displaying said map by said first display processing and performing said correction.

7. A mobile bearing calculator as set forth in claim 4, further having a positional information acquiring unit for acquiring information relating to the geographical location of a current position and a wireless communication unit able to connect to a communication network,

said control unit acquiring as said map a map information of surrounding of a current position specified based on positional information acquired at said positional information acquiring unit, from said communication network by said wireless communication unit.

8. A mobile bearing calculator as set forth in claim 6, further provided with a GPS signal receiver able to receive GPS signals from a plurality of GPS satellites, said position acquiring unit specifying said

positional information based on the GPS signals from said plurality of GPS satellites.

9. A mobile bearing calculator as set forth in claim 1, further provided with a storage unit for storing correction
5 data corresponding to a plurality of different events,

said control unit reading out correction data corresponding to an event and performing said correction when detecting the occurrence of said event.

10. A mobile bearing calculator as set forth in claim 8,
10 wherein said control unit corrects said geographical bearing by using said correction data to correct detection values of said geographic sensor.

11. A mobile bearing calculator as set forth in claim 9, wherein

- 15 said geomagnetic sensor detects earth-magnetism at a plurality of directions among which at least two perpendicularly intersect each other, and

- said storage unit stores a plurality of correction values corresponding to detection values of earth-magnetism
20 of said plurality of directions.

12. A mobile bearing calculator as set forth in claim 10, wherein said control unit adds correction values corresponding to said correction data to detection values of earth-magnetism of said plurality of directions when
25 correcting detection values of said geomagnetic sensor.

13. A bearing correction method in a mobile bearing calculator provided with a geomagnetic sensor for detecting earth-magnetism and calculating a geographical bearing based on detection values of said geomagnetic sensor,
- 5 comprising
- a step of monitoring for an event whereby an operation of an electronic part mounted on the mobile bearing calculator changes and
- a step of correcting the geographical bearing in
- 10 accordance with the occurrence of the event.